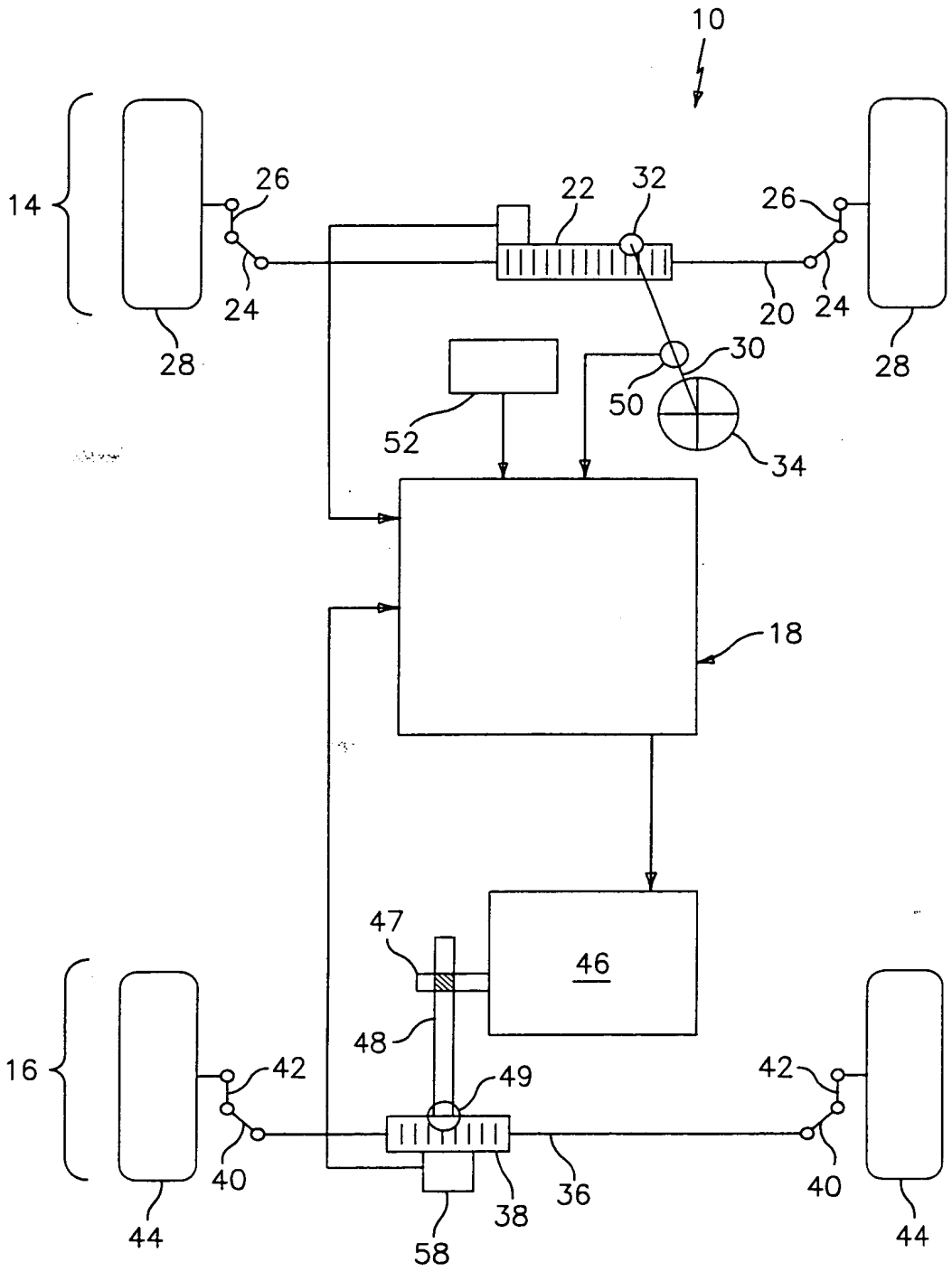
10
14
26
24
28
22
32
26
20
24
28
30
50
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34
18
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16
42
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58
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40
44

FIG. 1

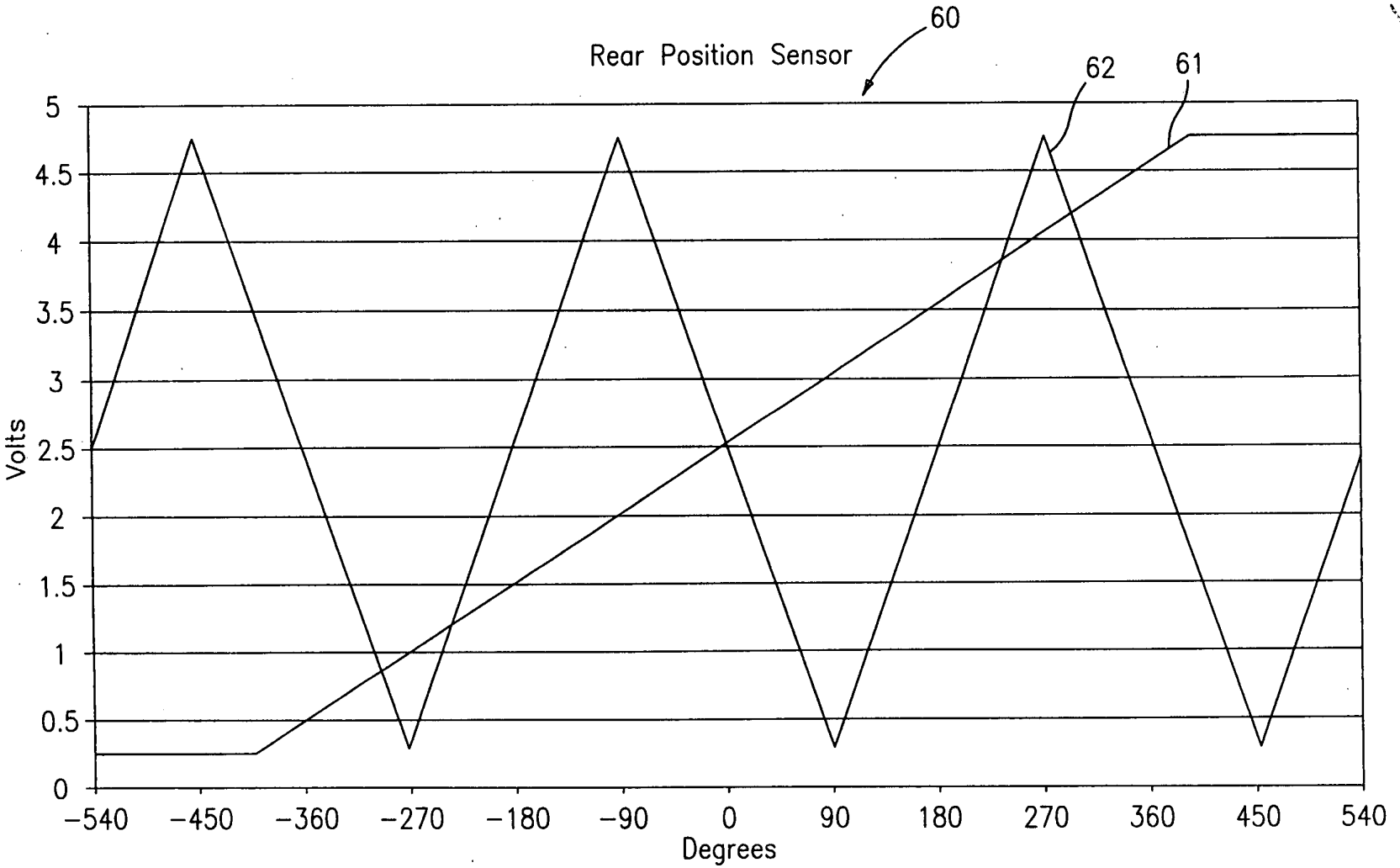
Rear Position Sensor
60
62
61
Volts
5
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
−540
−450
−360
−270
−180
−90
0
90
180
270
360
450
540
Degrees

FIG. 2

66

WINDOW	ABSOLUTE SIGNAL
SIGNAL WINDOW (−2)	Between 0.25 V and 1 V
SIGNAL WINDOW (−1)	Between 1 V and 2 V
SIGNAL WINDOW (0)	Between 2 V and 3 V
SIGNAL WINDOW (1)	Between 3 V and 4 V
SIGNAL WINDOW (2)	Between 4 V and 4.75 V

FIG. 3

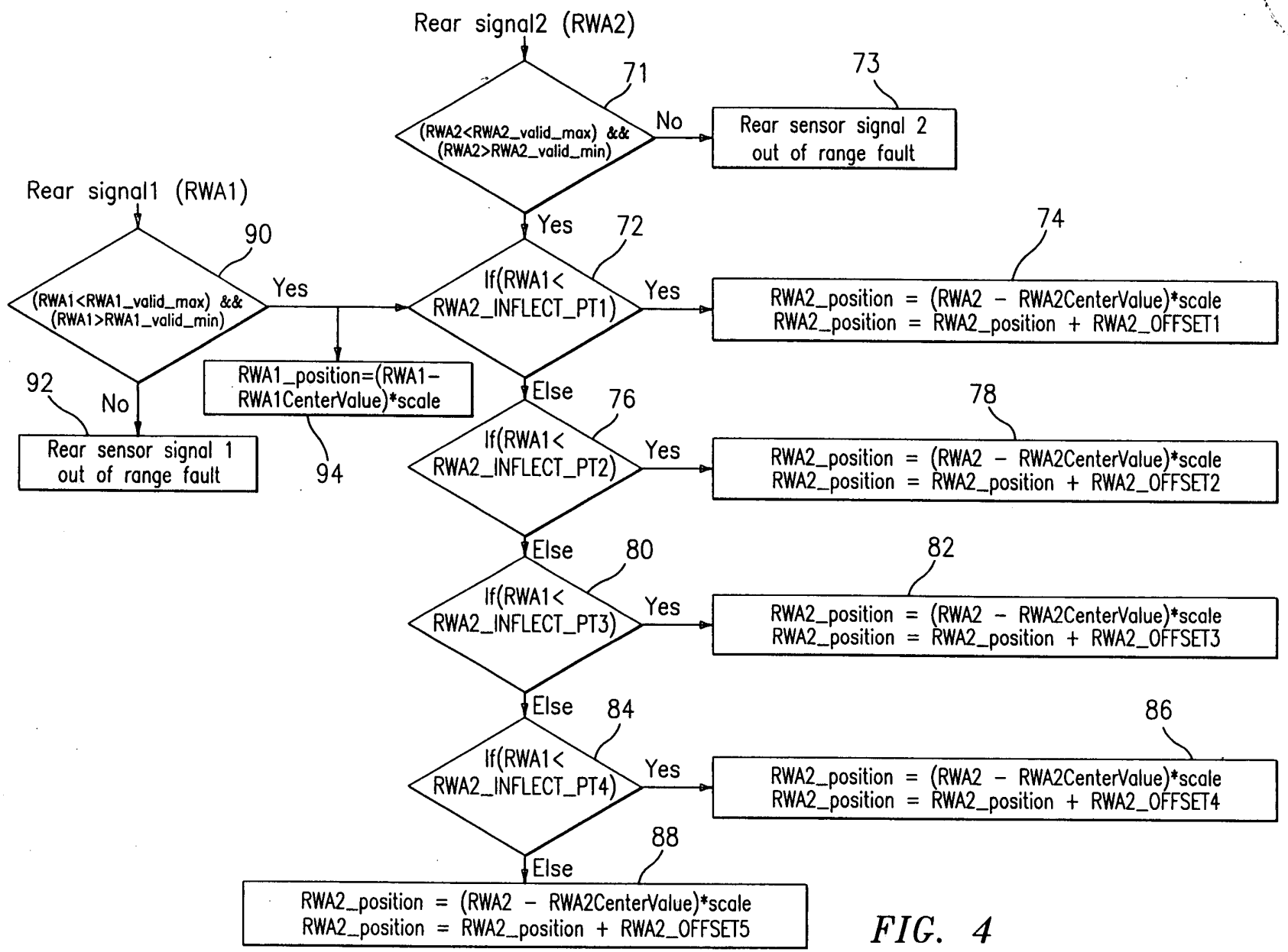
Rear signal2 (RWA2)
71
(RWA2<RWA2_valid_max) && (RWA2>RWA2_valid_min)
No
73
Rear sensor signal 2 out of range fault
Yes
72
If(RWA1< RWA2_INFLECT_PT1)
Yes
74
RWA2_position = (RWA2 – RWA2CenterValue)*scale
RWA2_position = RWA2_position + RWA2_OFFSET1
Else
76
If(RWA1< RWA2_INFLECT_PT2)
Yes
78
RWA2_position = (RWA2 – RWA2CenterValue)*scale
RWA2_position = RWA2_position + RWA2_OFFSET2
Else
80
If(RWA1< RWA2_INFLECT_PT3)
Yes
82
RWA2_position = (RWA2 – RWA2CenterValue)*scale
RWA2_position = RWA2_position + RWA2_OFFSET3
Else
84
If(RWA1< RWA2_INFLECT_PT4)
Yes
86
RWA2_position = (RWA2 – RWA2CenterValue)*scale
RWA2_position = RWA2_position + RWA2_OFFSET4
Else
88
RWA2_position = (RWA2 – RWA2CenterValue)*scale
RWA2_position = RWA2_position + RWA2_OFFSET5
Rear signal1 (RWA1)
90
(RWA1<RWA1_valid_max) && (RWA1>RWA1_valid_min)
Yes
RWA1_position=(RWA1– RWA1CenterValue)*scale
94
92
No
Rear sensor signal 1 out of range fault

FIG. 4